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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/725,205	12/02/2003	Bridget Mary Pantaleo	67389-034	4686
20277 75	590 08/29/2006		EXAMINER	
	T WILL & EMERY LLI	KRISCIUNAS, LINDA MARY		
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		DATE MAILED: 08/29/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary		Application No.	Applicant(s)	Applicant(s)			
		10/725,205	PANTALEO E	PANTALEO ET AL.			
		Examiner	Art Unit				
		Linda Krisciunas	3623				
Period fo	The MAILING DATE of this communicatio r Reply	n appears on the cover	sheet with the correspondenc	e address			
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status							
1)⊠	Responsive to communication(s) filed on	07 August 2006.					
·	This action is FINAL . 2b)⊠ This action is non-final.						
<i>,</i> —	, -						
• —	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
	closed in accordance with the practice under Lx parte Quayle, 1935 C.D. 11, 455 C.C. 215.						
Dispositi	on of Claims						
4)🖂	☑ Claim(s) <u>1-56</u> is/are pending in the application.						
•	4a) Of the above claim(s) is/are withdrawn from consideration.						
5)	Claim(s) is/are allowed.						
6)⊠	☑ Claim(s) <u>1-56</u> is/are rejected.						
7)	<u> </u>						
8)□	8) Claim(s) are subject to restriction and/or election requirement.						
Applicati	on Papers						
9)□ -	The specification is objected to by the Exa	aminer.					
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority under 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:							
a)L		mente have heen recei	ved.				
	1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents have been received in Application No							
3. Copies of the certified copies of the priority documents have been received in this National Stage							
application from the International Bureau (PCT Rule 17.2(a)).							
* See the attached detailed Office action for a list of the certified copies not received.							
Attachment	(s)						
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)							
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date							
	3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 5) Notice of Informal Patent Application (PTO-152) 6) Other:						

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DETAILED ACTION

1. The following is a Non-Final office action in response to the applicant's arguments filed August 7, 2006. Claims 1-56 are pending.

Response to Arguments

2. All statements of Official Notice made in the art rejection have been on record since issuance of the Non-Final office action rejection mailed on April 19, 2006, and in the subsequent response filed on August 7, 2006 the Applicant was silent on the matter of Official Notice. Consequently, the statements of Official Notice made in the art rejection have been established as admitted prior art due to Applicant's failure to adequately traverse the Examiner's assertions of Official Notice.

In response to the argument that the Clarke '698 application cannot enjoy the benefit of the filing date of the '807 application, the Examiner disagrees and asserts that the '698 application is a continuation in part and therefore does enjoy the benefit of the filing date of the '807 application.

In response to applicant's argument that prior art reference(s) fail to have the same intended use and/or purpose of a financial institution, the Examiner asserts that the recitation of the intended use or purpose of the claimed invention must result in a structural difference between the claimed invention and the prior art in order to patentably distinguish the claimed invention from the prior art. If the prior art structure is capable of performing the intended use or fulfilling said purpose, then it meets the claim. Ex parte Masham, 2 USPQ2d 1647 (1987).

Claim Rejections - 35 USC § 112

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3. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

4. Claims 1-8 and 22-56 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention. The use of the term "financial institution" was not disclosed in the Specification.

Claim Rejections - 35 USC § 103

- 5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 6. Claims 1-2, 5, 22-23, 26 and 41-42 are rejected under 35 U.S.C. 103(a) as being unpatentable over Clarke (US 2006/0053043).

As per claims 1, 22 and 41, Clarke teaches receiving a plurality of tasks (paragraph 31 and paragraph 32, where the system can be used for the financial services industry and the work breakdown structure records all tasks and subtasks

volume).

related to the project.); identifying a plurality of subtasks associated with each of the plurality of received tasks, wherein the identified subtasks are of different types and are needed to perform each respective task (paragraph 31 indicates the financial services industry and paragraph 74 elaborates further as to the use of subtasks which represent the "logical steps that must be performed to finish the job"); accessing production rate information related to the amount of time (paragraph 88, where Clarke teaches it is difficult to improve productivity if you cannot measure it, wherein the system tracks productivity as it measures project efficiency, as indicated in paragraph 72. In order to measure project efficiency, the production rate would need to be determined), and calculating a work volume based on the identified subtasks and the production rate information (paragraph 85, where the system focuses on improving a combination of maintenance operation volume management and resource management to improve the facility, whereby improving volume management would require knowing the work

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Clarke does not explicitly teach a financial institution, but the Applicant disclosed in the paragraph 3 of the Background section of the Specification section of the application: "In an organization, such as a bank, clearing house, clearing center, or an insurance company, where numerous complex tasks are performed by its employees, it is important to know whether the capacity of the organization is sufficient to handle the number of incoming tasks. If not, additional resources need to be located/assigned, such as bringing in part-time or temporary workers, extending work hours, borrowing staff from other departments, etc., in order to perform the tasks as

required in the appropriate timeframe.", whereby the Background section discloses well known information of one of ordinary skill in the art. Also, the use of the task management system for a financial institution is mere intended use and the language is not considered by the Examiner. The recitation of the intended use or purpose of the claimed invention must result in a structural difference between the claimed invention and the prior art in order to patentably distinguish the claimed invention from the prior art. If the prior art structure is capable of performing the intended use or fulfilling said purpose, then it meets the claim. Ex parte Masham, 2 USPQ2d 1647 (1987).

As per claims 2, 23 and 42, Clarke teaches the production rate information includes the amount of time needed to perform respective identified subtasks (See Figure 6 which graphs all tasks with respect to time, as per the X axis and see also paragraph 31 where it states that projects are typically constrained by time and resources.).

As per claims 5 and 26, Clarke teaches the production rate information is obtained from a database or by observation (paragraph 88, where Clarke teaches it is difficult to improve productivity if you cannot measure it, wherein the system tracks productivity as it measures project efficiency, as indicated in paragraph 72. In order to measure project efficiency, the production rate would need to be determined and paragraph 39 indicates that all the project management information is stored in a database.).

7. Claims 3, 6-7, 9-12, 15, 20-21, 24, 27-28, 30-34, 37, 39-40, 43, 45-50, 53, and 55-56 are rejected under 35 U.S.C. 103(a) as being unpatentable over Clarke (US 2006/0053043) in view of Morgan et al (US 5,799,286).

As per claims 3, 24 and 43, Clarke teaches the production rate information (paragraph 88, where Clarke teaches it is difficult to improve productivity if you cannot measure it, wherein the system tracks productivity as it measures project efficiency, as indicated in paragraph 72. In order to measure project efficiency, the production rate would need to be determined). Clarke does not explicitly teach production rate includes the number of each identified subtasks that can be performed per one time. Morgan teaches that it is known that production rate includes the number of each identified subtasks that can be performed per one time (column 2, lines 43-45, which teaches each activity is determined with respect to a percentage of time and column 4, lines 64-67, where reports plot dimensional aspects with respect to time.). Morgan is an analogous art as it also teaches about project management and workflow concerning tasks. Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the management system of Clarke with the number of subtasks/time feature of Morgan to provide a means of measuring the rate of task performance which can be targeted for reduction to help improve efficiency.

As per claims 6, 15, 27, 37, 45 and 53, Clarke teaches the work volume is calculated (paragraph 85, where the system focuses on improving a combination of maintenance operation volume management and resource management to improve the facility, whereby improving volume management would require knowing the work

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volume). Clarke does not explicitly teach work volume being calculated as the number of time units needed to perform the identified subtasks. Morgan teaches that it is known that work volume is calculated as the number of time units needed to perform the identified subtasks (column 6, lines 17-19, where the time tracking application is used to measure utilization which is incorporated to calculate production and column 3, lines 60-61, where there is a production measurement system (36) which is equivalent to determining production rate information as it performs an identical function in substantially the same manner with substantially the same results and column 8, lines 5-9, where in relation to production measurement, product volumes are determined and entered). Morgan is an analogous art as it also teaches about project management and workflow concerning tasks. Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the management system of Clarke with the number of subtasks/time feature of Morgan to provide a means of measuring the rate of task performance which can be targeted for reduction to help improve efficiency.

As per claims 7, 28 and 46, Clarke teaches the work volume is calculated (paragraph 85, where the system focuses on improving a combination of maintenance operation volume management and resource management to improve the facility, whereby improving volume management would require knowing the work volume), but does not explicitly teach it per the number of full time employees. Morgan teaches that it is known work volume is calculated as the number of full time employees needed to perform the identified subtasks, based on standard work hours per day (column 8, lines 53-56, where employee expenditures are expressed as full time equivalents (FTE)).

Morgan is an analogous art as it also teaches about project management and workflow concerning tasks. Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the management system of Clarke with the number of FTE feature of Morgan to provide a means of measuring the manpower required for tasks which can be targeted for reduction to help improve efficiency.

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As per claims 9, 30-31 and 47, Clarke teaches accessing staff information; determining staff availability based on the staff information; and the staff information is related to one of: the number of employees, capability of a specific employee to perform the subtasks, information related to exempt status of employees, information related to staff outage, information related to work time that cannot be used to perform the subtasks, and information related to business days within a specific period of time (See Figure 7, where the employee schedule is displayed. The breaks listed would constitute time the employee is unavailable to work or perform tasks. This would indicate the availability of the employee and would require accessing in order to view the information.). Clarke does not explicitly teach a capacity report. Morgan teaches that it is known to generate a capacity report based on the work volume and the staff availability (column 19, lines 35-51: "User-profile Reporting" where the availability of the employee is reported as well as the production or work volume as indicated by the Activity Output Report, where output is equivalent to work volume as it performs an identical function in substantially the same manner with substantially the same results). Morgan is an analogous art as it also teaches about project management and workflow concerning tasks. Therefore it would have been obvious to one of ordinary skill in the art

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at the time of the invention to modify the management system of Clarke with the capacity report feature of Morgan to provide a means of measuring the manpower required for tasks which can be targeted for reduction to help improve efficiency and optimize resource allocation.

As per claims 10, 32 and 48, Clarke does not explicitly teach information about employees. Morgan teaches that it is known the information related to the number of employees includes at least one of the number of full-time employees, the number of other types of employees, the total hours worked by other types of employees expressed as a full-time employee equivalent (column 17, lines 33-41, where the fulltime equivalents (FTE) are reported with respect to each product and its cost. The FTE would indicate the number of employees.); and the other types of employees include at least one of part-time employees, temporary employees, interns, and borrowed staff (column 6, lines 1-2 where employees include contractors, consultants and temporary workers). Morgan is an analogous art as it also teaches about project management and workflow concerning tasks. Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the management system of Clarke with the number of FTE feature of Morgan to provide a means of measuring the manpower required for tasks which can be targeted for reduction to help improve efficiency.

As per claims 11, 33 and 49, Clarke teaches the step of calculating extended staff availability by considering extended work hours. Official notice is taken that it is old and well known that companies have second shift and sometimes third shifts to extend their staff and the work hours in order to meet production goals. Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the management database of Clarke with an extended staff and extended hours feature to provide a means for increasing staff and work hours to meet production requirements. One such reference that teaches this concept is "The General Employee Scheduling Problem: An Integration of MS and Al" by Glover et al, Computer & Operations Research, vol 13, no 5, p. 563-573, 1996.; Clarke does not explicitly teach a capacity report. Morgan teaches that it is known the capacity report is generated further based on the extended staff availability (column 19, lines 35-51: "User-profile Reporting" where the availability of the employee is reported as well as the production or work volume as indicated by the Activity Output Report, where output is equivalent to work volume as it performs an identical function in substantially the same manner with substantially the same results. The extended staff is included in the employees as noted in column 6, lines 1-2.). Morgan is an analogous art as it also teaches about project management and workflow concerning tasks. Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the management system of Clarke with the capacity report feature of Morgan to provide a means of measuring the manpower required for tasks which can be targeted for reduction to help improve efficiency and optimize resource allocation.

As per claims 12, 34 and 50, Clarke teaches the extended staff availability is calculated based on a plurality of overtime scenarios or a plurality of expanded staff scenarios (Official notice is taken that it is old and well known that companies have second shift and sometimes third shifts, or expanded staff scenarios, to extend their

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staff and the work hours in order to meet production goals. Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the management database of Clarke with an extended staff and extended hours feature to provide a means for increasing staff and work hours to meet production requirements. One such reference that teaches this concept is "The General Employee Scheduling Problem: An Integration of MS and AI" by Glover et al, Computer & Operations Research, vol 13, no 5, p. 563-573, 1996.).

As per claims 20, 39 and 55, Clarke teaches the staff availability is calculated based on at least one of the number of employees, the information related to staff outage, the information related to the amount of work time that cannot be used to perform the subtasks, the information related to business days, and the amount of defined work hours per day (See Figure 7, where the employee schedule is displayed. The breaks listed would constitute time the employee is unavailable to work or perform tasks. This would indicate the availability of the employee and would require accessing in order to view the information.).

As per claims 21, 40 and 56, Clarke teaches the information related to the amount of work time that cannot be used to perform the subtasks depends on at least one of the position, the identity, the exempt status, the handling capability, and the outage status of the respective employee (See Figure 7, where the employee schedule is displayed. The breaks listed would constitute time the employee is unavailable or outage time with respect to being able to work to perform tasks.)

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8. Claims 4, 8, 25, 29 and 44 are rejected under 35 U.S.C. 103(a) as being unpatentable over Clarke (US 2006/0053043).

As per claims 4, 25 and 44, Clarke does not explicitly teach the time unit is an hour. Figure 7 indicates breaking the work schedule into periods of time for each day, which would entail blocks of hours or portions of hours for breaks and work periods.

Official notice is taken that it is old and well known to use an hour when determining a rate. Miles per hour (mph) being one such common hourly rate. Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to use an hourly rate to provide a user-friendly means of expressing rate.

As per claims 8 and 29, Clarke teaches the standard work hours per day are configurable. Official notice is taken that it is old and well known that the work hours for employees are a dynamic variable that can change. Some employees work part time, others full time, some work second shift and others work weekends. Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to utilize a configurable work schedule of hours. One such reference that teaches this concept is "The General Employee Scheduling Problem: An Integration of MS and AI" by Glover et al, Computer & Operations Research, vol 13, no 5, p. 563-573, 1996.

9. Claims 13-14, 16-19, 35-36, 38, 51-52 and 54 are rejected under 35 U.S.C. 103(a) as being unpatentable over Clarke (US 2006/0053043) in view of Morgan et al (US 5,799,286) in further view of Thompson (US 7,020,619).

As per claims 13, 35 and 51, Clarke does not explicitly teach comparing work volume with the staff and then with the extended staff. Thompson teaches that it is

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known that the capacity report is generated based on a first comparison between the work volume and the staff availability, and a second comparison between the work volume and the extended staff availability (column 13, lines 31-34, where monitoring productivity allows an operation to compare scheduled workload with the available human resources and column 14, lines 20-21 where the cost effectiveness of outsourcing or using extended staff for work is determined.). Thompson is an analogous art as it also teaches about an activity based management system. Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the system of Clarke with the comparison of staff to extended staff feature of Thompson to provide a more detailed analysis of human capital cost.

As per claims 14, 36 and 52, Clarke does not explicitly teach warnings.

Thompson teaches that it is known to generate warnings based on the first comparison and the second comparison (column 15, lines 1-40, where the value of the cost-value indicates whether using outsourced or extended staff resources is cost competitive or if the product should be made internally. If the value is negative, costs would be saved by outsourcing the work. This is equivalent to a warning as it performs an identical function in substantially the same manner with substantially the same resutls). Thompson is an analogous art as it also teaches about an activity based management system.

Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the system of Clarke with the warning feature of Thompson to

provide a more user-friendly system that is east-to-use.

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As per claims 16, 38 and 54, Clarke does not explicitly teach calculating work time. Thompson teaches that it is known that the total amount of time that employees can perform the subtasks within the specific period of time is calculated by using the equation of: (the number of employees) · (the number of standard work hours per day) · (the number of business days within the specific period of time) - (the amount of time lost due to staff outage within the specific period of time) - (the amount of work time that cannot be used to perform the subtasks within the specific period of time) (column 3, lines 36-67 and column 4, lines 1-3, where the system determines the start time and cycle and intervals required to complete the tasks for each project). Thompson is an analogous art as it also teaches about an activity based management system.

Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the system of Clarke with the work time calculation feature of Thompson to provide an efficient means for determining available work time.

As per claim 17, Morgan teaches the capacity report is generated further based on the extended staff availability (column 19, lines 35-51: "User-profile Reporting" where the availability of the employee is reported as well as the production or work volume as indicated by the Activity Output Report, where output is equivalent to work volume as it performs an identical function in substantially the same manner with substantially the same results. The extended staff is included in the employees as noted in column 6, lines 1-2.); the step of calculating extended staff availability by considering extended work hours (column 6, lines 1-5, where each employee, including the extended staff, has their activity percentage data calculated for their respective job. Indicating activity

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status would also indicate availability when activity status is zero or no value is indicated. Official notice is taken that it is old and well known that companies have second shift and sometimes third shifts, or expanded staff scenarios, to extend their staff and the work hours in order to meet production goals. Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the management database of Morgan with an extended staff and extended hours feature to provide a means for increasing staff and work hours to meet production requirements. One such reference that teaches this concept is "The General Employee Scheduling Problem: An Integration of MS and Al" by Glover et al, Computer & Operations Research, vol 13, no 5, p. 563-573, 1996.).

As per claim 18, Morgan teaches the extended staff availability is calculated based on a plurality of overtime scenarios or a plurality of expanded staff scenarios (Official notice is taken that it is old and well known that companies have second shift and sometimes third shifts, or expanded staff scenarios, to extend their staff and the work hours in order to meet production goals. Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the management database of Clarke with an extended staff and extended hours feature to provide a means for increasing staff and work hours to meet production requirements. One such reference that teaches this concept is "The General Employee Scheduling Problem: An Integration of MS and Al" by Glover et al, Computer & Operations Research, vol 13, no 5, p. 563-573, 1996.).

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As per claim 19, Clarke teaches the capacity report includes a cost analysis (paragraph 66: "FIGS. 9 and 10 are used to create categories of resources in order to define people, skill sets, experience levels, cost, and availability.").

Conclusion

- 10. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).
- 11. A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.
- 12. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Heindel et al (US 5,655,118).
- 13. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Linda Krisciunas whose telephone number is 571-272-6931. The examiner can normally be reached on Monday through Friday, 6:30 am to 3:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tariq Hafiz can be reached on 571-272-6729. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

LMK

Minary Examiner
Ant Unit 3623
8-24-2006